

535439

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/045545 A2

(51) International Patent Classification⁷:

A61K

(74) Agents: **RIGAUT, Kathleen, D.** et al.; Dann, Dorfman, Herrell and Skillman, 1601 Market Street, Suite 2400, Philadelphia, PA 19103-2307 (US).

(21) International Application Number:

PCT/US2003/036820

(22) International Filing Date:

18 November 2003 (18.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/427,326

18 November 2002 (18.11.2002)

US

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **FOX CHASE CANCER CENTER** [US/US]; 7701 Burlholme Avenue, Philadelphia, PA 19111 (US).

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **EISENBERG, Burton** [US/US]; 1211 Hillside Road, Woodstock, VT 05091 (US). **VON MEHREN, Margaret** [US/US]; 619 Crosswicks Road, Jenkintown, PA 19046 (US). **FROLOV, Andrey** [RU/US]; 8048 Oxford Avenue,, Apartment A-7, Philadelphia, PA 19111 (US). **GODWIN, Andrew** [US/US]; 323 Holmecrest Road, Jenkintown, PA 1904611 (US).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITIONS AND METHODS FOR THE TREATMENT OF CANCER, SCREENING OF PUTATIVE ANTI-CANCER COMPOUNDS, AND ASSESSING CANCER PROGRESSION

(57) Abstract: The present invention provides novel methods for the treatment of cancer, methods for screening compounds having anti-cancer activity, and methods of assessing cancer progression.

WO 2004/045545 A2